



ISO 9001: 2000
Certified

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Detcon Model TP-524C

Hydrogen Sulfide Sensor

Solid State MOS

(order by part number 965-015420-100)

Specifications

Sensor Type

Solid State Metal Oxide Semiconductor

Measurement Range

0-20 ppm, 0-50 ppm, 0-100 ppm
Hydrogen Sulfide

Accuracy/Repeatability

±10% of reading or ±2 ppm (greater of)

Response/Clearing Time

T50 <30 seconds
T80 <60 seconds

Operating Temperature Range

-40°F to +167°F; -40°C to +75°C

Operating Humidity Range

15-100% RH non-condensing

Outputs

Linear 4-20 mA DC

Input Voltage

11.5-28 VDC

Power Consumption

<2 watts @ 24 VDC

Electrical Classification

Explosion proof
Class I, Division 1, Groups B, C, D

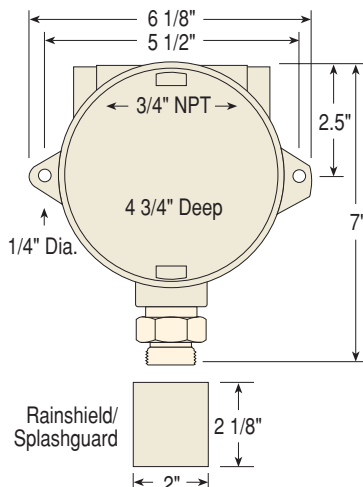
Safety Approvals

CSA and UL Approved

Sensor Life/Warranty

Sensor: 10 year conditional warranty
Transmitter: 2 year warranty

Dimensions



MicroSafe™ Intelligent Sensor

Description

Detcon Model TP-524C Hydrogen Sulfide sensors are non-intrusive “Smart” sensors designed to detect and monitor H₂S in air over the range of 0-100 ppm. The sensor assembly consists of a proprietary solid state metal oxide semiconductor sensor in a stainless steel housing, a plug-in control transmitter circuit, a base connector board and an explosion proof enclosure.

Features

- ☞ CSA and UL Approved: Class I, Division 1, Groups B, C, & D
- ☞ Simple menu driven calibration - takes less than 3 minutes
- ☞ Backlit LCD and LED indicators for FAULT and CAL status
- ☞ Plug-in field-replaceable transmitter
- ☞ Response Characteristics similar to that of electrochemical sensors
T-50 <30 sec., T-80 <60 sec.
- ☞ VERY wide operating temperature range: -40°F to +175°F
- ☞ 10 year conditional sensor warranty
- ☞ Direct response constant temperature control
- ☞ Withstands exposure to high range concentrations of H₂S and other acid gases
- ☞ Impervious to high moisture environments in both powered and non-powered mode

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